



Case/ Engenharia/ Engie

## More than 80 thousand documents managed in one of the largest thermoelectric plants in Brazil

Highly complex engineering projects demand a system that meets the project's management requirements. To manage all documentation of these projects is a challenge for professionals.

Besides the large number of people involved in the process, the number of documents being processed is immense. Without a system that automates document management, this task turns out to be costly and bureaucratic.

The challenge is even greater in engineering projects covering companies from various countries. This is the case of the thermoelectric Miroel Wolowski "UTE Pampa Sul".

The project is an investment of Engie, with chinese, german and american supply, Engineer of the Owner joint between China and Brazil.

The results achieved in this project demonstrate the importance of hiring an Enterprise Content Management system (ECM) for highly complex engineering projects.



CUSTOMER Engie Engineer

EXPERTISE Electricity, Natural Gas and Engineering Services

NUMBER OF EMPLOYEES + 10,000

Florianópolis Brazil

DEPARTMENTS USING KEEPCONTROL

Engineering, Information Technology (IT), Inspection, Quality



## ABOUT ENGIE

Engie is the largest private electricity generator in Brazil. With an installed capacity of 7,027 MW and 27 plants spread throughout the country, the company develops activities in the field of electricity, natural gas and engineering services.

The company operates in energy projects since 1996 and is part of the larger group of utilities in the world, the Engie Group. Dagobert Brandes Junior, engineering and supply manager for the Pampa Sul project says that during all the years he was in charge of projects in the sector, the adoption of an ECM software was fundamental to achieve the expected results planning.

**"Since 2006 we use KeepControl the ECM system from Netprecision. For being an efficient software, easy to use and ensure all necessary security to project management, we choose to use it in "UTE Pampa Sul". The thermal power plant Miroel Wolowski / UTE Pampa Sul had an investment of \$ 550 million and production of 345 megawatts.**

## THE CHALLENGE

The plant is being built on an Engineering, Procurement and Construction (EPC) contract among SDEPCI, a Chinese company with extensive experience in the construction of power plants. It is estimated that about 2,000 direct jobs and 6,000 indirect be generated during construction.

With regard to the main challenges in large engineering projects, one word comes immediately to mind: logistics. The image of the construction of large power plants leads to a huge concrete park surrounded by trucks carrying building materials from hundreds of workers. What many professionals do not realize is that the main obstacle faced by a project manager is the efficient management of communication.



## THE CHALLENGE

In the case of “UTE Pampa Sul” project, the exchange of information occurs between a large number of professionals and covers diverse cultures. People that speak different languages and have specific management methods. The managers needed an ECM system capable of supporting the exchange of data generated over the project and that also could meet all company demands.

The electrical engineer Dagobert Brandes Junior, who is leading the project, says that the American Black & Veatch, already had a ECM software. But it wasn't a friendly system and did not meet all the requirements of the enterprise. **"We needed a robust and flexible solution that supports all of our needs in a personalized way, so we could connect professionals based in China, Brazil, the United States and Germany"**, says Brandes.

## THE CRITERIA FOR ENGINEERING COMPANY IN CHOOSING AN ECM SYSTEM

To Dagobert Brandes Junior, which weighed at the time of the decision was the ability to have new requests answered quickly. He also mentions other aspects that influenced the time of contracting the KeepControl system:



## THE SYSTEM CHOSEN BY ENGIE



- Ease of use.
- Userfriendly interface.
- Strict control periods of the different agents of the process: Designer and Engineer of the Owner.
- Ensuring that both the factory and in the work, only the latest approved version of the document is being used.
- System and bilingual support.
- Management Reporting according to the need of the project.
- Adaptability in a short time.
- Realtime information of the status of project documents.
- Access to the system via Internet anywhere in the world through a notebook or smartphone.



## THE RESULTS: MORE THAN 80 THOUSAND DOCUMENTS MANAGED

The numbers of the “UTE Pampa Sul” project show that with an efficient ECM system managers have the project at hand. In addition to the control and systematic analysis of the data, the project manager has the assurance that everything is being manufactured or built underwent a rigorous review process and was approved, reducing costs for future rework.



Dagobert Brandes Junior,  
engineering manager and supply –  
Usina Térmica Miroel Wolowski /  
Pampa Sul.

With the growing process of economic integration between the countries, the supply of foreign equipment is more attractive, but increases the need to have more control over the project. The management of the documents in a project of this magnitude involving different countries would be impossible without the system KeepControl”



# netprecision

Since 2002, Netprecision provides solutions on Enterprise Content Management (ECM) for engineering projects.

We operate in all stages of the project, from the designer to Engineering of the Owner and also in the implementation stage.

Our ECM software KeepControl serves companies located in three continents and more than seven countries.

Our experience allows us to manage the documentation of any engineering project, regardless of the complexity and location.

[TALK WITH A CONSULTANT](#)